

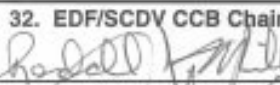
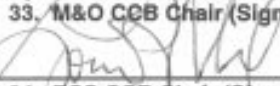


ECS Configuration Change Request

Page 1 of 4 Page(s)

1. Originator Evan Winston	2. Log Date: 2/20/01	3. CCR #: 01-0149	4. Rev: —	5. Tel: 301.925.0348	6. Rm #: 2013	7. Dept. DEV/CO
8. CCR Title: Test Executable 5B.06_STMGT.06 to all sites. This is a reissue of STMGT.05 which had failed verification at GSFC. Includes fix for NCR 29509 and others. This TE includes ALL packages from current 5B baseline for STMGT, INGEST, & DDIST!!!!!!						
9. Originator Signature/Date  2/20/01		10. Class II	11. Type: CCR	12. Need Date: 20FEB2001		
13. Office Manager Signature/Date  for Tim Ditz 2/20/01		14. Category of Change: Update ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 28). Emergency		
16. Documentation/Drawings Impacted: N/A		17. Schedule Impact: N/A		18. CI(s) Affected: STMGT, INGEST, DDIST.		
19. Release Affected by this Change: 5B		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: NCRs: STMGT 29509; INGEST 29289, 29236, 28588, 26484, 15328, and 29439, and 29280 and 29798.						
23. Problem: (use additional Sheets if necessary) This TE replaces 5B.06_STMGT.05 as well as 5B.06_INGEST.07 & INGEST.08. This TE corrects 29509 which was introduced with TE 5B.06_STMGT.04. It includes all the NCR fixes that were provided with STMGT.04 (please reference the CCR for this TE); PLUS it includes several INGEST fixes that had already been merged to the 5B software baseline. Due to the changes to STMGT, the DDIST and INGEST packages have to be delivered at the same time. Information on the other NCR fixes appears on page 3. IF YOU HAVE INSTALLED STMGT.04 you NEED TO INSTALL STMGT.06 as soon as possible!!!!						
24. Proposed Solution: (use additional sheets if necessary) Test Executable 5B.06_STMGT.06 will provide fixes to the NCRs listed. TE can only be loaded on top of 5B.06 installations..06 This TE will obsolete the previous 5B.06_STMGT.02, STMGT.03, STMGT.04 and the debug TE, 5B.06_STMGT_JF28965 and INGEST.05, and INGEST.06 and INGEST.07 and INGEST.08. If any of these TE have not been previously installed -. YOU DO SHOULD NOT LOAD THEM NOW as this STMGT.06 provides all the NCR fixes contained in the above listed TEs. Please refer to those TEs for the NCR lists.						
25. Alternate Solution: (use additional sheets if necessary) Take no action now and wait until 5B.07 is available at the DAACs. There is no acceptable alternate if STMGT.04 is not backed out.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) DAACs must continue to work around the problems and/or modify operating procedures.						
27. Justification for Emergency (If Block 15 is "Emergency"): Resolves DAAC operational problems and several of the NCRs are on the ECS priority list..						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date):  2/20/01		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date):  2/20/2001		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

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ECS/EDF/SCDV/M&O

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ADDITIONAL SHEET

CCR #: 01-0149 Rev: — Originator: Evan Winston

Telephone: 301.925.0348 Office: DEV/CO

Title of Change: Test Executable 5B.06_STMGT.06 to all sites. This is a reissue of STMGT.05 which had failed verification at GSFC. Includes fix for NCR 29509 and others. This TE includes ALL packages from current 5B baseline for STMGT, INGEST, & DDIST!!!!!!!

CONTENT:
CM: PLEASE,

build SGI (IRIX65) TAR file for the listed .pkg from current 5B baseline and provide to SMC:

.EcDsStArchive.pkg
.EcDsStDatabase.pkg
.EcDsStIngestFtp.pkg
.EcDsStPullMonitor.pkg
.EcDsStFtpDisNoBrowse.pkg
.EcInAPCSVR.pkg
.EcInINTFCVR.pkg

build SUN TAR file for the listed .pkg files from the current 5B baseline and provide to the SMC:

.EcDsStGUI.pkg
.EcDsStMediaDis.pkg
.EcDsStD3.pkg
EcDsDdDISTSRVR.pkg
.EcInGUIOPSWs.pkg
.EcInEMAILSVR.pkg

SMC: Receive the TAR files and make available to the DAACs, PVC and VATC.

DAAC Install Instructions:

TE can be loaded on top of STMGT installations of 5B.06. This TE will obsolete the previous 5B.06_STMGT.02, STMGT.03 and the debug TE, 5B.06_STMGT_JF28965. As well as INGEST.05 and INGEST.06 and INGEST.07 and INGEST.08.

NOTE: Contact the Construction Office if you plan to install 5B.07_PDS.04 and this 5B.06_STMGT.06. Certain packages will need to be loaded in proper sequence!!!!!!!!!!!!

Important NOTE !!!!!!!!!!!

For this install you will use the instructions below and then be using parts of the STMGT/INGEST DDIST Install Instructions from the 5B.06 Installation Instructions previously provided.

1. Get TAR Files from SMC distribution;
Make sure you select the SUN TAR file as well as the SGI IRIX TAR files--
2. UNTAR the files and copy to the staging area using the Setup.ksh file. Be sure to select "Y" when prompted for "Update ECS Assist Common Files" to get the latest version of ECS ASSIST. THIS MUST BE RUN AS ROOT.
3. Modify the file permissions as specified below

cd/<distribution_directory>/<stage_directory>/SGI/CUSTOM/dbms

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chmod 744 DSS/EcDsStDbLogin

chmod 744 INS/EcInDbLogin

4. On a SUN host, use E.A.S.I. to perform automated installation of the STMGT and INGEST SGI hosts and STMGT, INGEST AND DDIST SUN hosts as follows:

- a. Select the Mode to be installed
- b. Enter the location of the staged files
- c. Select CUSTOM and Click Next
- d. Hold down the SHIFT Key and select each of the STMGT/INGEST AND DDIST SGI and SUN hosts. Click Next
- e. Select Install as the Installation Phase and Click Next
- f. Select STAGE as the Source File Location. Click Next
- g. Review the packages and hosts as displayed to ensure that they are going to be installed appropriately. Click Next
- h. Click COMM and ensure all hosts turn green, signaling they are communicating with ECS E.A.S.I.
- i. Click INSTALL and monitor each host. Ensure each SGI and SUN host turns green signaling a successful installation.

5. For INGEST you will have to INSTALL DB Patches up to # 63. If INGEST.05 and .06 have been installed you will need only to install patch 60 thru 63.

Apply the INGEST Database patches on the INGEST xxicgx host. Must have DBO privilege to perform this task.:

- a. Determine the current version of the INGEST database
 - i. Use isql to access the INGEST database
 - ii. Execute the following
Select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag = "Y"
 - iii. Record the value in the EcDbComments field
- b. Apply the INGEST Database Patch from the SubSystem Manager.
 - a. Click Database and Select Patch
 - b. Select .dbparms
 - c. In the Database Config Screen enter the next higher number than the number recorded in step a.iii above.
 - d. Continue to apply the database patches sequentially until the INGEST database is patched to version 60 (60.60).

NOTE: If 5B.06 and TE INGEST.05 and .06 have been installed prior to the installation of this TE then you will only need to apply DB patch #60-63.

5X. The latest DB patch for STMGT is 27; using similar method as in step 5 to check current STMGT patch level and if necessary install through patch #27.

6.. Now Refer to the attached 5B.06 Installatn Instructions for STMGT, DDIST and INGEST for Configuration and Initialization sheets for the remaining install instructions if required. For this TE there should be no configuration changes required!!!!

NCR INFORMATION:

STMGT NCR 29509: Changed the disk number from a short int to an int

This will prevent the disk number from overflowing at 32,768. Files in Task:

/ecs/formal/DSS/stmgt/src/st/DsStStagingQueueEntry.h @ @/main/relb/adupree_disk_overflow/1
/ecs/formal/DSS/stmgt/src/st/DsStStagingTableEntry.C @ @/main/relb/adupree_disk_overflow/1
/ecs/formal/DSS/stmgt/src/st/DsStStagingTableEntry.h @ @/main/relb/adupree_disk_overflow/1

INGEST NCRs: 29289, 29236, 28588, 26484, 15328, and 29439.

29289 RpciD is getting repeated

29236 5B.06,TS2 IGS INGEST .MTA file size changed.

28588 PCFG file for Polling is not needed

26484 Need new granule state for errors in Request Mgr

15328 When requests are moved to the Summary DB tables, the end time is not se..

29439 GDAZ0FH and OZ_DLYH Transfer failures

These NCRs were previously provided with STMGT.04

23435: Removes references to STAGINGMONITORCONFIG and makes ARCHRESCONFIG generation only via the extensions button in Subsys Manager in EcsAssist. Removes references in the .cfgparms to unneeded parameters. Makes the value of ARCHRESCONFIG not configurable (Set by the Mkcfs only) in all applicable .CFG files.

24619: Only insert the tape Id into the table that DDIST reads to get tapes associated with a request after a successful tape write. Previously a tape Id was inserted into the table prior to a successful tape write resulting in multiple tape Id's being associated with a request that were incorrect.

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Note: The NCR stated that tape ID's were not displayed via the DDIST gui for requests that spanned multiple tapes. This was not reproducible in the VATC where a 8MM distrition request that spanned multiple tapes was successful, displaying the tapes in the DDIST GUI.

28629: PullMonitor warm start was fixed to not delete files in the pull cache that had yet to be linked to.

29080, 28965, 27785, 26917, 26368: Fixed several problems with CopyDaemon dump/hangs; FTPClientDaemon hangs.

28874, 28659: Fixed Storage managment hang scenarios.

28696: Fixed core dump in EcDsStStagingDiskServer during Staging Disk Destroy.

28506: Fixed leak of Shared Memory partitions.

28446: Modified DsStFileParameters.C to parse the return from a stored procedure to accept only one row. The database has an error and multiple rows were returned. Multiple rows exist because a table restraint was removed by the DAAC operator via SQL commands.

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